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                                   NASA-08210 (June 2004)
NATIONAL AERONAUTICS              NASA
AND SPACE ADMINISTRATION          Superseding NASA-08210
                                  (September 1999)
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DIVISION 08 - DOORS AND WINDOWS

SECTION 08210

WOOD DOORS

06/04

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                                    NASA-08210 (June 2004)
NATIONAL AERONAUTICS               NASA
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                                    (September 1999)
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                            SECTION 08210

                            WOOD DOORS
                              06/04


***************************************************************************
          NOTE:  Delete, revise, or add to the text in this
          section to cover project requirements.  Notes are
          for designer information and will not appear in the
          final project specification.

          This broadscope section covers flush, hollow core,
          solid core and fire-rated wood doors.
***************************************************************************


PART 1   GENERAL

1.1   REFERENCES

***************************************************************************
          NOTE:  The following references should not be
          manually edited except to add new references.
          References not used in the text will automatically
          be deleted from this section of the project
          specification.
***************************************************************************


The publications listed below form a part of this section to the extent
referenced:

          WINDOWS AND DOOR MANUFACTURERS ASSOCIATION (WDMA)

     NWWDA I.S. 1                    (1999) Wood Flush Doors


1.2   SUBMITTALS

***************************************************************************
          NOTE:  Review submittal description (SD) definitions
          in Section 01330 SUBMITTAL PROCEDURES and edit the
          following list to reflect only the submittals
          required for the project.  Submittals should be kept
          to the minimum required for adequate quality
          control.  Include a columnar list of appropriate
          products and tests beneath each submittal
          description.
***************************************************************************


The following shall be submitted in accordance with Section 01330 SUBMITTAL
PROCEDURES in sufficient detail to show full compliance with the
specification:
```

SD-02 Shop Drawings

    Fabrication drawings shall show locations and dimensions for the
    following items:

    Hollow Core Doors
    Solid Core Doors
    Fire-Rated Labeled Doors

SD-02 Shop Drawings

    Installation drawings shall be submitted for the following items:

    Hollow Core Doors
    Solid Core Doors
    Fire-Rated Labeled Doors
    Facing
    Cutout Openings
    Door Louvers
    Finish Hardware

SD-03 Product Data

    Manufacturer's catalog data shall be submitted for the following
    items:

    Hollow Core Doors
    Solid Core Doors
    Fire Rated Labeled Doors
    Facing
    Cutout Openings
    Door Louvers

SD-07 Certificates

    Certificates shall be submitted for the following items showing
    conformance with referenced standards contained in this section.

    Hollow Core Doors
    Solid Core Doors
    Fire Rated Labeled Doors
    Facing

PART 2   PRODUCTS

2.1   GENERAL

Doors shall comply with the requirements of NWWDA I.S. 1, and as specified.

2.1.1   Hollow Core Doors

Hollow core wood flush doors shall be 7-ply, ladder, mesh or cellular core.

2.1.2   Solid Core Doors

Solid core wood flush doors shall be 5-ply, glue block core, or 7-ply
MAT-formed particle board core.

2.1.3   Fire-Rated Labeled Doors

Fire-rated doors and frames shall be the types that have been investigated
and fire tested as a fire door assembly, complete with the type of
fire-door hardware to be used in the work. Fire-rated doors and frames
shall be labeled. The labels shall indicate the applicable fire rating of
the door construction provided.

2.2   FACING

Facings indicated as "paint finish" shall be sound grade, conforming to
NWWDA I.S. 1.

Facings indicated as stain-transparent finish shall be premium grade
conforming to NWWDA I.S. 1. Face veneer and veneer cut shall be:

    Natural Birch, Plain Slice

    Natural Maple, Plain Slice

    Select Red Birch, Plain Slice

    Select White Birch, Plain Slice

    Red Oak, Plain Slice

    Cherry, Plain Slice

    Walnut, Plain Slice

2.3   CUTOUT OPENINGS

Cutout openings for lights and louvers shall be made in accordance with
NWWDA I.S. 1.

2.4   DOOR LOUVERS

Louvers and frames shall be solid hardwood matching the door face veneer
species and finish. Design of louver, frame, and molding shall be as
indicated on the construction drawings.

Louvers and frames shall be inverted 60-degree V-blade, enamel-finished
steel, approximately 1 inch 25 millimeter wide, stationary, sightproof.
Each blade shall be spaced at not more than two per inch 25 millimeter and
formed from No. 20 1.0 millimeter U.S. Standard gage steel in baked enamel
finish, color as selected. Louver retainer stops shall be steel or
hardwood, matching the color and finish of the door.

2.5   BEVELING AND FITTING

Beveling and standard prefitting of wood doors shall be in accordance with
NWWDA I.S. 1.

2.6   EDGE SEALING

Top and bottom edges of doors and surfaces of all cutouts shall be
factory-sealed against moisture penetration.

Edges and cutouts of exterior out-swinging wood doors shall be factory

sealed to preclude moisture penetration. Top and bottom rails and sills of cutouts shall receive factory-installed aluminum flashing.

2.7   DOOR FINISHING

Doors to receive a job-site-applied finish shall be clean and sanded smooth to remove handling and storage marks, raised grain, minor surface marks, and abrasions and shall be left ready for finishing as specified in Section 09920 ARCHITECTURAL PAINTING.

PART 3   EXECUTION

3.1   GENERAL

Doors shall be accurately installed in framed openings and shall maintain the specified clearances and tolerances.

Finish Hardware sets shall be installed in accordance with the approved hardware schedule and the approved drawings. Hardware shall be temporarily removed as required for job-site finishing.

After finish painting has been completed, hardware and accessories shall be reinstalled and final adjustments made for proper door operation.

3.2   ACCEPTANCE PROVISIONS

Doors will be checked by the Contracting Officer for warp, twist, delamination, and manufacturing and installation defects. Doors exhibiting defects and doors outside the tolerances listed in NWWDA I.S. 1 shall be removed and replaced with new doors.

-- End of Section --